



# Meeting Notes

## Outdoor Lighting Focus Group Meeting

**2:00 p.m. – Tuesday, June 30, 2009**

APS Conference Room, 101 West Cherry Ave, Flagstaff, AZ

### **1. Welcome and Introductions**

#### In attendance:

Gerry Craig, Citizen  
Roger Eastman, City of Flagstaff  
John Grahame, Dark Skies Coalition  
Ed Larsen, City of Flagstaff  
Chuck Ley, City of Flagstaff  
Wes Lockwood, Citizen  
Chris Luginbuhl, Navel Observatory  
Steve Nelson, Dark Skies Coalition  
Mark Sawyers, City of Flagstaff  
Amy Smith, RPI Services  
Erick Souders, Friends of Flagstaff  
Mary Jo Tsitouris, City of Flagstaff

### **2. Recap Focus Group purpose**

The Focus Group will be outcome focused with a strong emphasis on general issues rather than getting into the details of technical code review. A primary goal is to ensure that the code implements the Regional Plan.

### **3. Discussion regarding outdoor lighting and related issues associated with the rewrite of the Land Development Code**

Mr. Lockwood informed the group that he had done local research and determined that there is a limited selection of compliant fixtures available that is affordable to the home owner.

Mr. Lockwood noted that he had collected examples from local HOA & CC&R regulations and they all appear to be more restrictive than the City's Code. Regulations included a fully shielded requirement, 75w per fixture limit, no light trespass, and no clear glass (frosted ok).

The current Code has a 4750 lumen unshielded max per unit. 4750 lumens is the equivalent to six 60-watt bulbs. The group suggested adding a fully shielded requirement to the new Code instead of limiting lumens. Mr. Larsen

noted that this could be an issue with the Building Code because exit stairs are required to be fully lighted.

The group discussed enforcement issues that would be associated with a fully shielded requirement and decided that this would be required for new single family construction. When addressing nonconformities, enforcement staff will need to require compliance with the new Code whenever any changes occur.

The group would like the new Code's residential standards to reflect no light trespass and be fully shielded. The group also reiterated that the new Code must include a separate location for all residential standards for ease of use.

The group discussed the various issues with manufactured homes. It was noted that manufactured homes conform to HUD requirements and it is hard to force requirement with City lighting provisions because they are federally exempt. In the long term we could consider an IGA with HUD on this issue. For manufactured homes coming into the city, an incentive program could be included for replacing light fixtures (jelly jars) with energy efficient fixtures.

The group concluded that motion detectors must comply with the no trespass and fully shielded requirements.

Mr. Lockwood provided a recommendation for updating the sports lighting section of the Code. Mr. Luginbuhl agreed to provide Mr. Eastman with the proper Code language.

Mr. Luginbuhl would review the City of Sedona's code regarding interior light from commercial businesses spilling to exterior. Final code language on this issue will be forwarded to Mr. Eastman.

The group discussed landscape lighting and other "up" lighting and again agreed that the fully shielded requirement would satisfactorily address this problem, i.e. ground mounted lights pointing up onto a building or tree would not be permitted, but trees could be lighted from the top down. It was agreed that solar-powered lights are not an issue and need not be addressed.

The group agreed that the existing code adequately addresses holiday lighting and would like to maintain the days currently permitted in the Code (Thanksgiving – January 15). A proposal to require the light strings to be removed when they are not in use was not supported.

4. Next meeting: July 7, 2009, at 2:00 pm.
5. Adjournment at 3:30 pm.